An Essay. on. Plesentis Respectfully Submitted to the Gaculty of the Homoeopathie Medical Collège Pennsylvania
For the
Legree of Doctor of Hormosopathic Medicine Daniel R. Gardener of Philadeephia

March 12 1849.

Pleasities or Pleasing are terms used to distinguish that rariety of Phlegmasia which is seated within the Thorax, and effects the serous membrane proper to that carety. The Pleura, which is the part affected in Simple Pleuritis, is classified anatomically with Serous membranes, and passefred the distinguishing feature of such tissues in being a shirt sac. To render our remarks more comprehensive it may not be amily to give a brief anatomical outline of the manner in which the Pleura is arrainged. The Pleura is an assymetrical membrane that is, me have a Pleura of the right and left Dide of the chest, which are deferate, and distinct, as far as Continuely of listue is concerned; whelst the chemical

Meuritis or Meurisy Meuritis, or Pleurisy are terms used to distinguish that rariety of Phlegmasia which is seated within the Thorax, and effects the serous membrane proper to that cavety. The Meura, which is the part affected in Simple Pleuritis, is classified anatomically with Serous membranes, and passessed the distinguishing feature of such tissues in being a shut sac. To render our remarks more comprehensive it may not be amiss to give a breef. anatomical outline of the manner in which the Pleusa is arrainged. The Pleura is an assymetrical membrane, that is, me have a Pleura of the right and left Dide of the Chest, which are Seperate, and distinct, as far as Continuity of tissue is concerned; whilst the chemical

composition, and anatomical arrangement is similar. The Pleura is so disposed that it lines the Thoracie cavity, and invests the Sungs. nithout a division of continuity. Suppose, for the sake of discription me commence with that portion which lines the wall of the chest. On each side of the Vertebral column it is reflected from the parieties of the Thorax whom the roots of the Sungs, to form the investing membrane for those organs; having enveloped the Lungs it is reflected from their roots, anteriorly to the wall of the chest where we commenced. That fortion which is Setuated on the ribs is called the Reura bostalie, and which is much stronger and dense than that which invests the Lung, which is the Pleura Pulmonalis. Where the Plema follows the course of the fessure,

which divides the Lungs into lobes, it is called Interlobular. The reflection from the Spine to the Lungs formed a space which is the posterior medeastinumy in contradistine -tion to the anterior mediastinum, which is made by the reflection from the Lung. to the Spine. The Pleura diaphragmatica is that portion which is spread over the draphragm. The Pleura when examined in the healthy state is found to be a transparent membrane, composed of two distinct layers. The internal is Strictly Derois, and is the per surface; whilst the external approxim-- ates some what to prove tissue, and famis the attached surface. From the manner in which the Plema is reflected it will be easily understood that the Parcetal, and Viceral portions are opposed to each

other, leaving, in the healthy State, an entervening space which is the Seat of. effusion, when it occurs. Pleuritis presents ikself in Various and impor tant forms. It maybeacute, or chronic:-Single, or double; although the Single is much more frequents than the double; Simple, or complicated. of Pleuritis and Pneumonia Should be combined, the Pneumonia at the Same time being more prominants me style it Theuro: Pneumonia: When Preumonia and Pleuretis Coexist, however, with the Pleuretis predominant, it constitutes. Theumo: Pleuritis. Pleuritis occurs more frequently per se than Theumonia, the later occurring very seldon without being accompanied with Pluritis; and this combination occurs so prequent that some authors give the name of Pleuro-

- Meumonia to all cases of inflamation of. The Lungs in discriminately. This disease occurs most prequently in cold, and Nanable climates, as is the ease with Derois membranes generally, hence me find it presail ing mash in the rothern, and middle Vections of our country The causes of Munitis maybidevided into. local, and general. A sudden transition from heat to cold, more particularly if the body. be bathed in persperation, wearing damp, or wet clothing; sleeping in a damp bed, or anything in fact that will produce a Wileup shock to the System. External brilince directly applied to the chest, as a blow from some blust instrument, stat, te. Heurilis frequently follows. fracture of the Ribs. Organic disease of the Lungs frequently involved

Pleuritis. Meumonia is very generally accom. -panied by Pluvitis. The Pluva is very aft. to be enrolved, Sooner, or later in Phthisis Pulmonalis, hence, in making Pathological investigations you will find wherever there is Juberculosis of the Lung, there will be adhesions wisting between the costal, and Pulmon ay Pleura. All ages are hable to This disease; but it is more frequently found to exist in ordults. Tome authors contend that it is a disease of intro-utivine existance, and authenticated cases are produced in which Jegms of Planetis, or where purulent Effection was found on dissection of Mile bow children, and those, who died immediatly after delivery. Upon examining the Plear a after death, me find more or less reducests however, in some instances it is dry, and retains

its normal transparency; whilst in the other cases me find the membrane covered with a coating of Post concrete matter, which is Scarcely visible, but can easily be demonstrated by scraping it from the Surface outh the Scalfel Alterations take place in the Secretions, which are modified both in quantity, and quality. Old may be increased from an ounce, to Several quarts. The quantity of fluid, in some cases, is sufficent to entirely file up the causty of the Heura; pushing down the draph ragmi to as to encroach upon the dimensions of the Abdominal cavity, and exerting a lateral force, dufficent to meden the intercostal Spaces, forcing the museles out on a level. with the Rebs; guing the diseased Side a mooth and uniform appearance. The Heart and Medistrium may be displacedo.

of the effusion be in the light Side, the Heart may be forced to the right of the Steinum. The condition of the Sung is modefied by the extent of effusion. If the quantity of fluid be very qual, the Lung may be compressed, and forced from its ordinary position; this usually takes place toward the Mune, or Medestinum, reducing it to a Sort of flattened cake, occupying a limited frace: thus compressed it does not crepitale, is impervious to air, becomes dence and Sinks in water. On relation to the character of the fluid effused; it may be colorless, but is more usually of a transparent pale lemon color, contain ing floccule of concrete abbumen, oftener however it is more turbid, like whey, sometimes it is purulent, at others sew-purulent, and.

occasionally Naneous. The different Kinds of effusion are modorous when excluded from the air, but becomes offensive when exposed. to the Utmasphere. An effusion, of Liquor Sanguinous, is occasionally thrown out upon the fee Durface of the Pleura, by the bessels, which becomes organized, forming the false membrane, which is some times founds upon examination; it may be attended either with or without effusion. The extent of the false membrane Naries according to the extent of the inflamation, which has produced it. The plastic limph, which is the product of Pluritis, is Sometimes thrown out without the effusion, and forms a bond of union between the Plema-- Costalis ana Julmonalis, which is so often met with in dissections; and has been

regarded as the most common of all. morbid appearances; and may be found. to a quater, or less extent en a large. proportion of bodies. Symptoms. Pain is one of the most constant symptoms of the disease, although Pleuretis may exist methout it in cases which are turned Latent Reuredy, occurring chiefly in the neak, and those debilitated by disease. The pain is very tharp, and severe, and has been compared to thrusting a sharp instrument into the side. Mually the pain exists from the outset of the disease, but is not always fixed at the first, but at the end of a few days it becomes fixed, and constant; and after being for four or five days excessibly sovere, it diminishes in brolence, becomes obtuse, and may entirely disappears before the termination

of the disease. The amount of pain is no creterion of the extent of inflamation; the pain may be confined to one shot, when part, or all; of the Pleura may be effected. When the inflamation is seated wholly or partially in the Pleura Costalis, the pain is increased by percussion, and pressure upon the intercostal Spaces. The febrile excitement is generally Considerable, and usually sets in with a chile, lass of apitite, fund tonque, Deanly wine, thirsh. There may be daily remissions, and exacerbations, of the fever; the finner occuring in the morning, the later in the Of teinoon. The Cough is at first short, and dry, or accompanied with a thin mucous, or frothy expectoration; Smetimes, knowever, a slight bronchial inflamation may exist, and in Such caved the expectoration is more

copious, and some times streaked with blood. The cough never occurs on fits, or paroxy sms, but is a continued, dry, hacking cough. The dysprea is always more or less difficulty on account of the pain produced by a full expansion of the Thorax: and me always have short, and hurried heathing. The dyspinea instead of diminishing with the pain, Sometimes increased, on account of the effusion which, in Some cases, is very considerable. The effusion recupying a part of the chest; prevents the Lungs from expanding to their proper extent; this often occasions much distress, and is smetimes alarming. The decubitus, or position in which the patient lies, cannot be relied upon as a symptom. But the rule generally is, that in the fist stage, the position is on the healthy Side, but in after periods, when the pain has

ceased, and effusion taken place it may be either on the diseased side, or upon the back. The Physical Digns are more to be relied upon en making out a correct diagnosis. It the commencement of the disease me have upon Percussion, a clear Jama, and no other Auscultatory Jegn, than Some demonution of the respiratory mur mer, which is occasioned by the limited expansion of the Chest. Carly in the disease, however, a rubbing, or friction Sound is heard, which may indicate that the Secretion has been arrested from the Thura, or what is more generally thought, it indicates that an exudation of plastic limph has been thrown out, covering, and roughening the Surface of the membrane: and the Subbing together of these roughened Surfaces Causes the Frietin Sound, which,

Sometimes is very light, at others, it is so laid, as to resemble the creaking of leather The grating movement, which gives rise to the Sound, may even be felt by applying the hand flatty to the chest. After liquid effusion has taken place, me have a diminution of. The healthy resonance upon percussion, which can easy be perceived by compairing the two Sides, when the disease is confined to one. The dulness advances, as the effusion increased, and Some lines amounts almost to flatness. The dulness is observed at the most dependant part; and rises with the increas of the fluid, and varies with the position of the patient, following the fluid, which gravitates to the most defundant part, and the Lung which is lighter floates upon the Surface. By placing the hand upon the chest, corrisponding to the

Jeat of effusion, very slight, or no Vibrations can be fell which in health are very manifest. The resperatory meromer, which was at first enfeebled by the defective expansion of the Thorax, goes on diminishing with the increase of fluid, and in those cases Where the effusion is abundant entirely clased, from the compression of the Lung. In pails of the Chest where the Sung is still in Contact, instead of the healthy murmer, me have Bronchiae Dispuration, caused by compression of the air cells, which convey more readly to the Durface, the wibrations of the Bronches. On the healthy side, The respiration is heard much more distinctly than is usual in health. Men a moderate effusion has taken place into the Plemal Dae; and a thin Stratum

of lequid intervenes between the Lung and Dide of the Chest, there is a Singular Mesonance Sound, which is heard most generally between the third, and South ribs, or in the inter-scapular space: it is a pecular. tremu lous, shattered boice, and resembles the boice of a Goat; hence turned Egophany, or Goat's Price. This pecularity, is the Bronchial Sound conveyed outward by the Compressed Lung, and modified by its transmission through the Stratum of liquor, and acquires the characteristic above alluded, to before it reaches the ear. As there effusion enewases, the Egophany decreases, until it entirely disappears. When the effection is very great, the effected Side remains quiescent, while the other moves in respiration, also, there is an increase in the size of the Side effected. Protrusion of the

intercosal spaces may exist, or appear entirely smooth, and do not present the usual depressions. which are found in health, The smoothness of the Thomas, is not met with in the early period of the disease, but is pecular to Heuristis in the advanced stage, and is me of the mast important signs of advanced Fleuritis, as it does not occur in any disease of the Lungs. The course of Pleuritis is very variable. If seen in the first stage, and properly treated, it may terminate favorably in the course of afendours or days; when effusion has taken place it may be Several day's, and even neeks, before the patient is entirely eured. But it Varies buy much according to the bolence, and extent, of the disease, there being no definite Course. The diseases with which Pleuritis

may be confounded, are Pleurodinea, Pruimonia, and Pucardition In Remodina, the physical Signs are wanting which have been mentioned in Pleuritis, except the diminution of the respe--ratory murmer, consequents upon a mant of full. expansion of the Thorax. The pain in Remodina is more Shifting, than in Pleuretis, and is prequently felt in neighbouring parter, and is mereased by the tristing motion of the Thorax. Fiver, and lough, are generally wanting in Heurodineap. On Preamonia the pain is dull; and moderate when the disease is uncomplicated; while in Pleuritis it is sharp, and confined to one place. The expectoration which is Pleuritis is mucous and transfarent, or simply streated with blord, in Pneumonia is bracid, and rusty: On Plenetis me have Frection Sound, and Egop hany, which are absent in Pneumonia,

but me have the crepitant sale, which is absent in Pleasetis. In Heuritis, if ne place the hand upon the clust, we feel no break rebrations, while in Pneumonia me ful of much more distinctly. The distintion of the chest, the bulging, or Smoothness, of the intercostal Spaces, and displacement of some of the Ortal organs, which occurs in Pleasetis, are wholly manting in Theumonia. Heuritis is disting - withed from Puecardetes by the Situation of the Friction Sound, also the absence of Egophany in Perecardelis, The position of the duluels, in Phecardetis is circumscribed, and does not. change with the position of the patient, while in Plunites it changes with the posture of the patients When inflamation attacks the Pleura, between the loles of the Sung, or in The Me deastinum, it is very difficult sometimes

to diagnosticate it correctly; also when it occurs at the termination of some other disease, unattended with pain, or eough. The prognosis in Plunitio is generally favorable. In Single Plunitis, onthout any complications, occuring in a constitution other mise , me may look for a favorable issue. But if the be complication Menters, the case becomes more critical; or if it occurs in the course of. febrilo diseases, or in an individual whose thingth has been impaired by previous attacks of desease, and more particularly if there is any predisposition to Tuliarculoses of the Lung, it increases the danger and not. unfrequently hastens a fatal issue. If lopious effusion take place in un complicated eases, The cure is uncertain, but may generally be effected. If a secretion of Pas take place, it is very

hay as dous. The heatment of Pleuritis, as laid down by authorities in Allopathic practice is as Simple, and consise as it is injudicous, and a very few words, if necessary, would give a rehearsal of their remedies. Dut in Homoeopathia practice, where the ensemble of Pyraptonis, the most minute, as well as the more prominent, it requires nolittle investigation to delich the appropriate remides The two stages of the disease, the inflamatory and the period of Convalescence; as well as the Requel, all require differants remidies, according to the different symptomis. On the inflamatory stage of the disease, our chief indication is to quiet Arterial action. If the febrile exectement is great; the pain in the Chest very acute, and lancinating,

with laborious resperation, more particularly if there is homipulation and thist, with Short hacking lough Aconite Napellus is the appropriate remedy; and vile in a large. majority of cases modify the Symptoms the Symptoms in a short time, but in ease there Should be no benefit derived from this remedy in the Space of Frenty-four hours, is may be advisable to make some change, although, he prequently are obliged to continue the use of Acouste for forty eight hours, before there is any abatement of the duease At the experiation of twenty four of forty-- Eight hours should there be no abatement of the Symptoms, me may use Factionetie; more particularly if the cough be dry, and parking, with occasional expectoration of. mucous Streaked with bloods. Thould the

Symptoms not yield to either of the for-going Remedies, and the expectoration Set in of a rusty, or chocolate, color; we may suspeely a complecation with Theumonia; in Such cases the Phosphorus may be administered meth good effects After the inflamatory Symptoms are removed, we frequently have pani in the side, with troublesome lough. remaining, which requires attention. Dryonia Albap is Suitable after the inflama-- toy action has Subsided; but in many cases, where there is a slaw fever remaining with dy lough, accompanies with Shorting pain in chief, which pain is increased by by motion, it may be requisite to give Acmile, and Dymia alternately: but if there Symptones exist prothact fever, Dagaine may be administred alone. Where there

is a slight delireum, milte flushed face; That dry cough, longue coaled with white fur, or day mability to be on the effected side, Shin hat, and altunating with perspiration, with exacerbations of fever, Belladonna may be given alternathy with Aconite or alone of the Bounds Amica Montana is indicated where Heuritis has been caused by external Dislence, also une asines in the effected side, inducing constant change of position, occumpaniea with a feeling as if the Side was buised; with a donness of the intercastal spaces; Shinging pain with Mysprea, cough frequent, and increases the pain. Fulphur is undicated in Meumo -Slewitis, where the five continues after using the for-going remedies, also to present

is running into the chronic from, the expectoration in such eases becomes whitish and increased in quantity. Mux. Vomica will be usefule When the pani and all inflamatory action has clased, the lough title remaining troublesome, with Constipation of the Bowels. Not noth standing the use of the remidies named for the inflamatory, and other Symptoms, the Inflamation may run on and termenate in Empyemas. The fluide may be Servis, - Seropuralent, - purulent, or Janeous . Una then it becomes necessary. to employ other remedies which will cause absorption of the fluid, there are the Squille, Assuie, Digelatis, Genega, and Helle bore always Keeping in mind the totality of Symptomes, in Selecting a remidy.

The pemidies, in this disease as in all. inflamatory complaints, are better given des-- Toloca in water, and repeating the dose. at short intervals. The attenuations used, must be varied according to the Severity of attack, age, and Constitution of the patient. heracis or tapping the Fomen tations of hot mater applied to the Chest, are some times very beneficial, in the inflamatory stage, as well as hot pedelusium with the addetion of. As long as the inflamatory symptoms continue, the patient must be kept on low dieb, Ruch as toash, and tea, grul, bailey water, rye, or Indian mush, with or methout milk, boiled rice, to after danger has passed away me may

After using the appropriate remedies for Empyona, without any good effect; and the fluide State remain in the cavity of the Pleura; it may become necessary to perform the operation of Paracentesis Thoracis, or tapping the Chesto.